## IN THE CLAIMS:

- 1. (Currently amended) A non-austemper-treated spheroidal graphite cast iron obtainable without being subjected to an austemper treatment, characterized in that the non-austemper-treated spheroidal graphite cast iron has a tensile strength of 650 850 MPa and an elongation of 7.0 14.5%, wherein the spheroidal graphite cast iron consists essentially of 0.05 to 0.45% by mass Mn, 2.0 to 4.0% by mass Ni, 3.1 to 4.0% by mass C, 1.8 to 3.0% by mass Si, up to 0.05% by mass P, up to 0.02% by mass S, 0.02 to 0.06% by mass Mg, and the balance Fe.
- 2. (Currently amended) A non-austemper-treated spheroidal graphite cast iron obtained without being subjected to an austemper treatment according to claim 1, characterized in that V-notch material has a fatigue limit of 290 MPa or more.
- 3. (Currently amended) A non-austemper-treated spheroidal graphite cast iron according to claim 1, wherein the non-austemper-treated spheroidal graphite cast iron contains 0.05

  0.45 0.1 to 0.35% by mass of Mn.
- 4. (Currently amended) A non-austemper-treated spheroidal graphite cast iron according to claim  $3_1$ , wherein the non-



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austemper-treated spheroidal graphite cast iron contains 2.0 - 4.0% by mass of Ni has a Brinell hardness of 230 to 285 HB.

- 5. (Currently amended) A non-austemper-treated spheroidal graphite cast iron according to claim 3\_2, wherein the non-austemper-treated spheroidal graphite cast iron has a Brinell hardness of 230 285 HB.
- 6. (Currently amended) A non-austemper-treated spheroidal graphite cast iron according to claim 4\_3, wherein the non-austemper-treated spheroidal graphite cast iron has a flank wear of 0.13 mm or less in a cutting distance of 1.7 km.
- 7. (Currently amended) A non-austemper-treated spheroidal graphite cast iron according to claim 2, wherein the non-austemper-treated spheroidal graphite cast iron contains 0.05-0.45 0.1 to 0.35% by mass of Mn.
- 8. (Currently amended) A non-austemper-treated spheroidal graphite cast iron according to claim 7, wherein the non-austemper-treated spheroidal graphite cast iron contains 2.0-4.0% mass of Ni has a flake wear of 0.13 mm or less in a cutting distance of 1.7 km.



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- 9. (Currently amended) A non-austemper-treated spheroidal graphite cast iron according to claim 1, wherein the non-austemper-treated spheroidal graphite cast iron has a flank wear of 0.13 mm or less in a cutting distance of 1.7 km.
- 10. (Currently amended) A non-austemper-treated spheroidal graphite cast iron according to claim 2, wherein the non-austemper-treated spheroidal graphite cast iron has a flank wear of 0.13 mm or less in a cutting distance of 1.7 km.

